

Emerging Technology

Distributed Optical Fiber Sensors for Continuous Liquid Level Tank Gauging

Numerous sensors are available on the market today for detecting liquid levels in stationary and mobile fuel tanks but all generally suffer from including high initial costs, high maintenance costs, or unreliability. A multipoint tank gauging device being developed offers the level of sensitivity needed by industry and interfaces with most computer systems. Additionally, it is 2 to 5 times less expensive than existing technologies. This new technology reduces energy waste and lowers overall costs, key benefits to the petroleum, chemical, and transportation industries.



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